

**REMARKS**

Claims 1, 4 and 11-12 are pending. Claims 2, 3 and 5-10 have been canceled without prejudice.

Claim 1 has been amended to recite the subject matter of canceled claim 2. Also, claim 1 has been amended for clarity in accordance with the Examiner's suggestions.

New claim 11 finds support in paragraph [0017] in the publication of the present application (PGPUB 2008/0227351).

New claim 12 finds support in paragraph [0021] in the publication of the present application (PGPUB 2008/0227351).

No new matter has been added by way of the above-amendment.

**Claim Objections**

In the paragraph numbered as "4" on page 2 of the Office Action, the Examiner objects to the certain features of the present invention. In response, Applicants have adopted the Examiner's suggestions for amending the claims. As such, withdrawal of the objection is respectfully requested.

**Issues Under 35 U.S.C. §112, Second Paragraph**

Claims 1-4 are rejected under 35 U.S.C. § 112, second paragraph, for being indefinite. Applicants respectfully traverse the rejection.

The Examiner objects to the term “ultra yarns (monofilament fibrils)”. The Examiner suggests inserting the term “fine” in between the terms “ultra” and “yarns”. In response, Applicants have adopted the Examiner’s suggestions for amending the claims.

The Examiner objects to claim 3 for reciting the term “such as”. Also, the Examiner objects to claim 3 for reciting the phrase “a pattern forming weave of a figured weave”. Lastly, the Examiner objects to claim 3 for reciting the phrase “a pattern forming weave of a figured weave”. The cancellation of claim 3 has rendered these objections moot.

Based on the foregoing, Applicants respectfully submit that the claims are sufficiently definite to satisfy the requirements of 35 USC 112, second paragraph. Reconsideration and withdrawal of the rejection are respectfully requested.

**Issues Under 35 U.S.C. § 103**

The following rejections are pending:

- (A) Claims 1, 2 and 4 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Lee et al. (WO 03/087447); and
- (B) Claim 1 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Shibata et al. (US 5,215,816)

Applicants herein refer to these as Rejections A and B. Applicants respectfully traverse both Rejections A and B.

In view of the amendment to claim 1, incorporating the subject matter of claim 2 (a claim not currently included in Rejection B), Rejection B is rendered moot.

Applicants now turn to Rejection A.

The inventive cleansing polyester fabric has a warp and weft composed of PET multifilament consisting of ultra fine yarns of 0.001 to 0.1 denier or its false twist yarn or false twisted mixing yarn. Applicants respectfully submit that the inventive cleansing polyester fabric is different from the fabric of Lee et al., since the inventive cleansing polyester fabric has no twisted point in the warp and weft whereas the warp and weft of the fabric of Lee et al. is composed of air textured yarn with a twisted point (e.g., the effect yarn is "twined around" the core yarn – see page 7, lines 3-8 of Lee et al.).

Applicants respectfully submit that this difference in construction of the fabric affects the fabric's cleansing properties. The fabric of Lee et al. manufactured with the air textured yarn will damage the surface of the object to be cleaned and has a low cleansing effect in view of the fact that there is a twisted point in the warp and weft. On the contrary, the cleansing polyester fabric of the present invention has improved cleansing effects and does not damage the surface of cleaned object because there is no twisted point in the fabric.

The Examiner will note that the twisted point of the fabric of Lee et al. is formed when one yarn is "twined around" another yarn. For example, Lee et al. teach such a configuration in the following passages:

**Page 5, line 23 - page 6, line 6**

In the present invention, such a textured yarn with different shrinkage is hereinafter defined as 'ATY (*air-textured yarn*)', which is prepared by air-texturing a core yarn and an effect yarn in the air texturing nozzle under the condition that the core yarn and the effect yarn has a different overfeed rate of 5 to 50% and an air pressure ranges from 6 to 16kgf/cm<sup>2</sup>, and, as shown in Fig 3, in which *the effect yarn twines around the core yarn* and loops (a) of the effect yarn are formed on the surface of the textured yarn.

**Page 7, lines 3-8**

The present invention provides a textured yarn with different shrinkage which shows an excellent suede effect in the production of woven or knitted fabrics since it consists of a two-component composite yarn (effect yarn) and a thermoplastic multifilament yarn (core yarn) being air- textured under a proper condition, *the effect yarn being twined around the core yarn*, and uniform loops of the two-component composite yarn are formed on the surface of the textured yarn.

**Page 7, lines 17-25**

The thusly prepared textured yarn (ATY) with different shrinkage is characterized in that; at least one or two kinds of two-component composite yarn (*effect yarn*) having a monofilament fineness of 0.001 to 0.3 denier after dividing or extracting an extraction component *is twined around* a thermoplastic multifilament yarn (*core yarn*), 2 to 350 loops per meter of the two-component composite yarn of at least 1.0mm in length are formed on the surface of the textured yarn, and more than 95% of the two-component composite yarn loops of at least 1.0mm in length have a length of 1.0 to 2.5mm.

**Page 17, lines 15-25**

The thusly prepared textured yarn (ATY) with different shrinkage according to the present invention has a structure that at least one or two kinds of two-component composite yarn (*effect yarn*), consists of a fiber forming component and an extraction component or consists of at least two kinds of fiber forming components, having a monofilament fineness of 0.001 to 0.3 denier after dividing or extracting the extraction component *is twined around* a thermoplastic multifilament yarn (*core yarn*), 2 to 350 loops per meter of the two-component composite yarn of at least 1.0mm in length are formed on the surface of the textured yarn, and more than 95% of the two-component composite yarn loops of at least 1.0mm in length has a length of 1.0 to 2.5mm. (Emphasis added).

Thus, it is clear that the fabric of Lee et al. is manufactured with a twisted point (twined point) in the warp and weft. The air textured yarn of Lee et al. will damage the surface of the object to be cleaned and will have a low cleansing effect in view of the twisted point in the warp and weft. On the contrary, the cleansing polyester fabric of the present invention has improved cleansing effects and does not damage the surface of cleaned object because there is no twisted point in the fabric.

As such, significant patentable distinctions exist between the present invention and the teachings of Lee et al. Reconsideration and withdrawal of Rejection A are respectfully requested.

In view of the above amendment, Applicants believe the pending application is in condition for allowance.

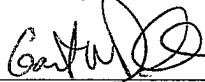
Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Garth M. Dahlen, Ph.D., Esq., Reg.

No. 43,575, at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37.C.F.R. §§1.16 or 1.17; particularly, extension of time fees.

Dated: February 19, 2010

Respectfully submitted,

By  **GARTH M. DAHLEN**  
**USPTO #43,575**  
James T. Eller, Jr.  
Registration No.: 39,538  
BIRCH, STEWART, KOLASCH & BIRCH, LLP  
8110 Gatehouse Road  
Suite 100 East  
P.O. Box 747  
Falls Church, Virginia 22040-0747  
(703) 205-8000  
Attorney for Applicant